

IN THE CLAIMS AMEND

1. (Currently Amended) A dusting device comprising:
 - a housing;
 - at least one powder gas delivery device within the housing, which discharges a powder gas jet onto a surface of products moved in one conveyor direction;
 - a suction device for withdrawing unused powder gas from the housing; and
 - at least one air-permeable filter mat arrangement within the housing, and spaced from at least one wall of the housing creating a plenum therebetween;
 - the plenum being connected to a purging air source providing pressurized purging air.

2. (Currently Amended) A dusting device according to claim 1, wherein the purging air is moved by means of at least one fan through the filter mat arrangement.

3. (Currently Amended) A dusting device according to claim 1, wherein several fans are arranged transversally to the conveying direction of the products.

4. (Currently Amended) A dusting device according to claim 1, wherein the purging air flows mainly parallel to the powder gas jet.

5. (Currently Amended) A dusting device according to claim 1, wherein the air-permeable filter mat arrangement is held by a mat holder formed as a grid.
6. (Currently Amended) A dusting device according to claim 1, wherein the air-permeable filter mat arrangement can be replaced.
7. (Currently Amended) A dusting device according to claim 1, wherein the filter mat arrangement comprises a plurality of filter mats arranged directly next to each other.
8. (Currently Amended) A dusting device according to claim 1, wherein the filter mat arrangement consists of a polyester material.
9. (Currently Amended) A dusting device according to claim 8, wherein the filter mat arrangement has a material thickness of 10-30 mm.
10. (Currently Amended) A dusting device according to claim 9, wherein the filter mat arrangement has a thickness of 15-20 mm.
11. (Currently Amended) A dusting device according to claim 8, wherein the filter mat arrangement has a weight per m² of 150-200 g.

12. (Currently Amended) A dusting device according to claim 11, wherein the filter mat arrangement has a weight per m² of 180 g.
13. (Currently Amended) A dusting device according to claim 8, wherein the filter mat arrangement has an initial pressure differential of 25-45 Pa.
14. (Currently Amended) A dusting device according to claim 13, wherein the filter mat arrangement has an initial pressure differential of 30-40 Pa.
15. (Currently Amended) A dusting device according to claim 13, wherein the filter mat arrangement has an initial pressure differential of 33 Pa.
16. (Currently Amended) A dusting device according to claim 1, wherein the housing comprises an upper and at least two lateral housing walls, and the filter mat arrangement is spaced from each of the upper and at least two lateral walls, and the plenum extends continuously therebetween.
17. (Currently Amended) A dusting device according to claim 1, wherein at least one housing wall proximate the filter mat arrangement is surrounded by an air chamber.
18. (Currently Amended) A dusting device according to claim 1, wherein the suction device comprises two suction devices for unused powder gas, which are

arranged on the lower end of two housing walls transversal to the product conveyor direction.

19. (Currently Amended) A dusting device according to claim 1, wherein the suction device comprises at least one powder trapping wall which lies in the extension of a housing wall that is not proximate the filter mat arrangement.
20. (Currently Amended) A dusting device according to claim 1, wherein the suction device has a suction aperture, which is adjustable with a slide.
21. (Currently Amended) A dusting device according to claim 3, wherein at least one airfilter is arranged in series to the fans.
22. (New) A dusting device comprising:
 - a housing;
 - at least one powder gas delivery device within the housing, which discharges a powder gas jet onto a surface of products moved in one conveyor direction;
 - a suction device for withdrawing unused powder gas from the housing; and
 - at least one air-permeable filter mat arrangement within the housing, and spaced from at least one wall of the housing creating a plenum therebetween;
 - the plenum being connected to a purging air source providing pressurized purging air which flows mainly parallel to the powder gas jet.

23. (New) A dusting device comprising:

- a housing;
- at least one powder gas delivery device within the housing, which discharges a powder gas jet onto a surface of products moved in one conveyor direction;
- a suction device for withdrawing unused powder gas from the housing; and
- at least one air-permeable filter mat arrangement within the housing, and spaced from at least one wall of the housing creating a plenum therebetween, wherein the filter mat arrangement comprises a polyester material;
- the plenum being connected to a purging air source providing pressurized purging air.

24. (New) A dusting device comprising:

- a housing having an upper and at least two lateral housing walls;
- at least one powder gas delivery device within the housing, which discharges a powder gas jet onto a surface of products moved in one conveyor direction;
- a suction device for withdrawing unused powder gas from the housing; and
- at least one air-permeable filter mat arrangement within the housing, and spaced from the upper and at least two lateral walls creating a plenum therebetween;
- the plenum being connected to a purging air source providing pressurized purging air.